

CLAIMS

1. A vehicle antitheft device mounted to a vehicle equipped with a remote start device for starting an engine when a start signal radio-transmitted from a predetermined transmitter is received by an in-vehicle receiver, comprising:

10 vehicle theft preventing means for preventing the vehicle from being thieved in accordance with a plurality of theft modes, respectively; and

15 partly stopping means for stopping a theft preventing function corresponding to a part of the theft modes before an engine start by said remote start device is started when said start signal is received by said in-vehicle receiver.

2. The vehicle antitheft device as claimed in claim 1, wherein the vehicle is equipped with a remote stop device that stops the engine when a stop signal 20 radio-transmitted from said predetermined transmitter is received by said in-vehicle receiver, and the vehicle antitheft device is equipped with restoring means for restoring the antitheft function corresponding to said part of the theft modes after an engine stop by said 25 remote stop device is performed when said stop signal is received by said in-vehicle receiver.

3. The vehicle antitheft device as claimed in claim 1, wherein the antitheft function stopped by said 30 partly stopping means is a function to give warning when detection is made that an ignition is turned on in a state where a key is not inserted in an ignition key cylinder.

4. A vehicle antitheft device mounted to a vehicle equipped with a remote start device for starting an engine when a start signal radio-transmitted from a predetermined transmitter is received by an in-vehicle receiver, comprising:

5 preventing means for preventing the vehicle from being thieved in accordance with a plurality of theft modes, respectively; and

10 partly stopping means for stopping, after an occurrence of vehicle theft according to a part of the theft modes is detected for at least a first time, an antitheft function corresponding to the part of the theft modes for a predetermined time period.

15 5. The vehicle antitheft device as claimed in claim 4, wherein the antitheft function stopped by said partly stopping means is a function to give warning when detection is made that an ignition is turned on in a state where a key is not inserted in an ignition key cylinder.

20 6. A control method of a vehicle equipped with a remote start device for starting an engine when a start signal radio-transmitted from a predetermined transmitter is received by an in-vehicle receiver and an antitheft device for preventing theft of the vehicle in accordance with a plurality of theft modes, respectively, comprising:

25 a first step of stopping a theft preventing function corresponding to a part of the theft modes by said antitheft device when said start signal is received by said in-vehicle receiver; and

30 a second step of starting an engine start by said remote start device after the antitheft function corresponding to the part of the theft modes is stopped by

said antitheft device.

7. The control method as claimed in claim 6,
wherein said vehicle is equipped with a remote stop device
5 that stops the engine when a stop signal radio-transmitted
from said predetermined transmitter is received by said
in-vehicle receiver, and the control method includes:

a third step of performing an engine stop by
said remote stop device when said stop signal is received
10 by said in-vehicle receiver; and

a fourth step of restoring the antitheft
function corresponding to said part of the theft modes by
said antitheft device after an engine stop by said remote
stop device is performed by said third step.